

PRODUCT DATA

Date: March 2006

Code: 03590/23

IDENDEN FIRE PROTECTION STRUCTURAL ADHESIVE 10-450

Idenden Fire Protection Structural Adhesive 10-450 is a sodium silicate adhesive of buttery consistency. It is suitable for use in fire protection systems to bond fibrous insulation materials, calcium silicate, magnesia insulation to galvanised ducting, unpainted steel, concrete and brickwork or to themselves.

Features

- Bonds to a wide range of insulation materials
- Bond remains intact for 2 hours to the time temperature rating of BS 476 Part 20: 1987
- Dries to form non-combustible film to BS 476 Part 4: 1970
- Consistent performance to +950°C
- Safe in application, storage and transport

Product Characteristics

Colour	Off white
Form	Heavy paste
Weight per litre	1.7 kg (approx.) 64% by weight
Composition	Sodium silicate base with inert fillers
Packaging	17 kg polybucket
Shelf life/storage	At least 12 months from date of manufacture when stored unopened in a cool, dry place within the temperature range +6°C to +30°C and out of direct sunlight. PROTECT FROM FROST

Typical Performance Data (approx.)

Drying time	<i>Bond:</i> 0-5 minutes <i>Through:</i> 8-12 hours
Service temperature	0°C to +950°C
Application temperature	Above +5°C
Reaction to fire	<i>Wet:</i> Non-flammable <i>Dry:</i> Independently tested to BS 476 Part 4 – Non-combustible

Fire resistance

When used to bond rock fibre slabs to steel and exposing the assembly to the time temperature rating of BS 476 Part 20: 1987 the bond remained intact for 2 hours. Temperature at this time was in excess of +950°C

Coverage

2.5 square metres per litre

Solvent for cleaning up

Water

Directions for use

IMPORTANT

Before embarking on any work involving Idenden Fire Protection Structural Adhesive 10-450, the separate Safety Data Sheet should be carefully studied by those carrying out the work.

1. Surfaces should be clean, dry and free from dust, grease and any loose materials.
2. Stir the adhesive thoroughly and apply evenly over the surface to be bonded using a brush or flat bladed tool, at a rate of 2.5 square metres per litre.
3. Press insulation into place within 2-3 minutes. This type of adhesive does not have strong initial tack and some support may be necessary for high density materials.

NOTE: Idenden Fire Protection Structural Adhesive 10-450 dries to form a hard and brittle film and is therefore unsuitable for joints liable to movement. The dried film is not waterproof and is therefore for use in dry locations only.

Precautions in Use

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate health and safety data sheet for Idenden Fire Protection Structural Adhesive 10-450.

This Product Data Sheet covers just one of a large range of products supplied by Bostik Limited. Full information on these products and advice on application is freely available from our fully trained staff throughout the country. In addition, specialist technical advice is available from our Technical Services Department. This Product Data Sheet supersedes all previous technical information on this product, and users of it are cautioned to ensure that it is the current issue. Destroy all previous Product Data Sheets, and if any doubt, contact Bostik Limited, quoting the code number in the top right hand corner on the front of this document. This leaflet is for general guidance only and may contain inappropriate information under particular conditions of use. The company cannot accept any responsibility for loss or damage that may result from the use of this information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm the suitability of this product by their own tests.

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